

Title (en)

NOVEL SILICONE ELASTOMER PARTICLES, AND COSMETIC COMPOSITION AND OTHER APPLICATIONS

Title (de)

NEUARTIGE SILIKONELASTOMERPARTIKEL SOWIE KOSMETISCHE ZUSAMMENSETZUNG UND ANDERE ANWENDUNGEN

Title (fr)

NOUVELLES PARTICULES D'ÉLASTOMÈRE DE SILICONE, COMPOSITION COSMÉTIQUE ET AUTRES APPLICATIONS

Publication

**EP 4269460 A1 20231101 (EN)**

Application

**EP 21910495 A 20211214**

Priority

- JP 2020216520 A 20201225
- JP 2021046142 W 20211214

Abstract (en)

[Problem]To provide novel silicone elastomer particles that have higher oil absorbency than conventional products and are less prone to aggregation, making the particles superior in handling workability as a cosmetic raw material and imparting a superior tactile sensation and feel during use to a cosmetic product.[Resolution Means]Silicone elastomer particles, having a structure in which at least two silicon atoms in a silicone elastomer particle are crosslinked by a divalent organic group having a partial structure formed by radical polymerization of vinyl acetate, as expressed by  $-\{CH_2-CH(COOCH_3)\}_t-$  (where t is a number of 1 or more), as well as a use thereof. In particular, the novel silicone elastomer particles have a crosslinked structure that is active with respect to biodegradability. Therefore, primary particles thereof are expected to have a property of disintegrating with the generation of non-crosslinked siloxane molecules due to a decomposition reaction of microorganisms and the like in the natural world.

IPC 8 full level

**C08F 290/14** (2006.01); **A61K 8/891** (2006.01); **A61K 8/895** (2006.01); **A61Q 1/12** (2006.01); **A61Q 17/04** (2006.01); **C08L 83/14** (2006.01); **C08L 101/00** (2006.01); **C08L 101/16** (2006.01)

CPC (source: EP KR US)

**A61K 8/025** (2013.01 - EP US); **A61K 8/064** (2013.01 - US); **A61K 8/891** (2013.01 - EP KR US); **A61K 8/895** (2013.01 - EP KR); **A61Q 1/12** (2013.01 - KR); **A61Q 17/04** (2013.01 - KR US); **A61Q 19/00** (2013.01 - EP); **C08F 290/148** (2013.01 - EP KR); **C08K 3/36** (2013.01 - EP); **C08L 51/085** (2013.01 - EP); **C08L 83/04** (2013.01 - EP); **C08L 83/14** (2013.01 - KR); **C08L 101/00** (2013.01 - KR); **C08L 101/16** (2013.01 - KR); **A61K 2800/412** (2013.01 - US); **C08F 218/08** (2013.01 - KR); **C08G 77/20** (2013.01 - EP)

C-Set (source: EP)

**C08F 290/148** + **C08F 218/08**

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

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Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 21910495 A 20211214**; CN 202180083500 A 20211214; JP 2021046142 W 20211214; JP 2022572207 A 20211214; KR 20237024865 A 20211214; US 202118268223 A 20211214